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438 gccgggtgct gacgtacacc atccccatca gcaacccact gggccccaag agcgcctccg   1800
440 tggtggagac acagacgctg ttccggcgcg ccccccaggc cggcgggtgt gtggtggact   1860
442 ccgaggtgct gacgcagggc atcccctacc aggactactt ctacactgcc caccgctact   1920
444 gcatcctggg tctggcccgg aacaaggcgc ggctccgagt gtcttctgag atccgctacc   1980
446 gaaagcagcc gtggagcctg gtgaagtcgc tcattgagaa gaactcgtgg agcggcattg   2040
448 aagactattt ccaccatctg gagcgagagc tcgccaaggc tgagaagctg tctctggagg   2100
450 aaggcgggaa ggatgcccgg ggcttgctat ccggcctgcg gcggcggaag cggcccctga   2160
452 gctggcgggc tcacggggac gggccccagc acccagatcc tgacccctgt gcccgggccg   2220
454 gcattcacac ctcgggctcc ctcagctccc gcttctccga accatctgtg gaccagggcc   2280
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/16/2005
PATENT APPLICATION: US/10/538,002   TIME: 10:59:08

Input Set : **N:\DA\pto.da.txt**
Output Set: **N:\CRF4\06162005\J538002.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:35;  N Pos. 2040
Seq#:41;  N Pos. 5062
Seq#:75;  N Pos. 1232
Seq#:76;  N Pos. 1262
Seq#:85;  N Pos. 7,14,76,88,204,220,385,548
Seq#:89;  N Pos. 26,185,189,197,206,216,228,231,233,241,246,247,248,260,270
Seq#:89;  N Pos. 274,275,276,279,280,288,296,302,310,318,341,343,350,363,378
Seq#:89;  N Pos. 404,405,406,411,418,433,436,478,484,505,511,516,529,854,926
Seq#:90;  N Pos. 1
Seq#:93;  N Pos. 772,785,786,796
Seq#:106; Xaa Pos. 93
Seq#:145; Xaa Pos. 613
Seq#:153; Xaa Pos. 297
Seq#:157; Xaa Pos. 23
Seq#:196; Xaa Pos. 245,250,251,253,254,257,258
Seq#:216; Xaa Pos. 263
Seq#:230; Xaa Pos. 2,25,29,68,73
Seq#:231; Xaa Pos. 2,4,25,29,67,73,128
Seq#:233; Xaa Pos. 28,34,47,54,101
Seq#:235; Xaa Pos. 4,5
Seq#:237; Xaa Pos. 35,51
Seq#:238; Xaa Pos. 18,27,31,32,37,41,45,46,47,48,51,55,58,61,69,71,76,89,90
Seq#:238; Xaa Pos. 94,99,100,114,116,123,126,131,239,263
Seq#:239; Xaa Pos. 1,3,4,9,117
Seq#:241; Xaa Pos. 2,3,4,5
Seq#:246; Xaa Pos. 263,264,267
Seq#:247; Xaa Pos. 3,17,134,136,138,139,141
```

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VERIFICATION SUMMARY   DATE: 06/16/2005
PATENT APPLICATION: **US/10/538,002**   TIME: 10:59:08

Input Set : **N:\DA\pto.da.txt**
Output Set: **N:\CRF4\06162005\J538002.raw**

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:3366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:1980
L:4017 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:5040
L:6899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:1200
L:6956 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:1260
L:7781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:0
M:341 Repeated in SeqNo=85
L:8231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:0
M:341 Repeated in SeqNo=89
L:8276 M:341 W: (46) "n" or "Xaa" used, for SEQ. ID#:90 after pos.:0
L:8391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93 after pos.:720
M:341 Repeated in SeqNo=93
L:9219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:80
L:14806 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:608
L:15488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:153 after pos.:288
L:15698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:157 after pos.:16
L:18991 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:196 after pos.:240
M:341 Repeated in SeqNo=196
L:20489 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:256
L:21873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:230 after pos.:0
M:341 Repeated in SeqNo=230
L:21950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:231 after pos.:0
M:341 Repeated in SeqNo=231
L:22102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:233 after pos.:16
M:341 Repeated in SeqNo=233
L:22290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:235 after pos.:0
L:22460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:237 after pos.:32
M:341 Repeated in SeqNo=237
L:22641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:238 after pos.:16
M:341 Repeated in SeqNo=238
L:22736 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:239 after pos.:0
M:341 Repeated in SeqNo=239
L:22852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:241 after pos.:0
L:23115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:246 after pos.:256
L:23162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:247 after pos.:0
M:341 Repeated in SeqNo=247